

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A mobile communication system capable of transferring information transmitted/received by a mobile terminal and including a network that has a predetermined resource therein, said network comprising:

detecting means for detecting one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication exists, and a change in a capability of said object to be inspected;

reporting means for notifying one or more apparatuses relating to said change detected by said detecting means of a result of said detection;

setting means for newly setting at least one of a network resource and a media type in conformity to said change detected by said detecting means, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and

switching means for switching said network resource and media type into a content set by said setting means.

Claim 2 (Original): A mobile communication system according to claim 1, wherein said object to be inspected includes at least one of a communication terminal, transmission means for a radio area, and transmission means within a network.

Claim 3 (Original): A mobile communication system according to claim 1, wherein said network resource includes at least one of a wireless communication channel, a transmitter/receiver, a line within a network, a communication node apparatus, a communication terminal, an information switching apparatus, and an information converting apparatus.

Claim 4 (Original): A mobile communication system according to claim 1, wherein said switching means includes information converting apparatus which carries out, as said switching of information format, at least one of changing of media for information transferred over a network and changing of a transmission quality between the same media.

Claims 5-6 (Canceled)

Claim 7 (Currently amended) A resource switching method for a mobile communication system capable of transferring information transmitted/received by a mobile terminal and including a network that a predetermined resource therein, said method comprising the steps of:

detecting, in said network side, one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of a change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication, exists and a change in a terminal capability of said object to be inspected;
notifying one or more apparatuses relating to said change detected by said detecting step of a result of said detection;

setting at least one of a network resource and a media type in conformity to said change detected by said detecting step, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and switching, in said network side, said network resource said network resource and said media type into a content set by said setting step.

Claim 8 (Original): A resource switching method for a mobile communication system according to claim 7, wherein said object to be inspected includes at least one of a communication terminal, transmission means for a radio area, and transmission means within a network.

Claim 9 (Original): A resource switching method for a mobile communication system according to claim 7, wherein said network resource includes at least one of a wireless communication channel, a transmitter/receiver, a line within a network, a communication node apparatus, a communication terminal, an information switching apparatus, and an information converting apparatus.

Claim 10 (Original): A resource switching method for a mobile communication system according to claim 7, wherein said switching step includes a step of carrying out, as switching of said information format, at least one of changing of media for information transferred over a network and changing of a transmission quality in the same media.

Claim 11 (Currently Amended): A network control method in a mobile communication system capable of transferring information transmitted/received by a mobile

terminal and including a network that has a predetermined resource therein, said network, said method comprising the steps of.

detecting, in said network side, one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of a change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication, exists and a change in a terminal capability of said object to be inspected;

determining at least one of a network resource and a media type suitable for said change specified by said detection, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and

controlling said object to be inspected concerning at least one of said determined network resource and media type so that said object to be inspected conforms to said detected change.

Claim 12 (Original): A network control method according to claim 11, wherein said object to be inspected includes at least one of a communication terminal, transmission means for a radio area, and transmission means within a network.

Claim 13 (Original): A network control method according to claim 11, wherein said network resource includes at least one of a wireless communication channel, a transmitter/receiver, a line within a network, a communication node apparatus, a communication terminal, an information switching apparatus, and an information converting apparatus.

Claim 14 (Currently Amended) A network control apparatus constituting a part of a network that has a predetermined resource and that is included in a mobile communication capable of transferring information transmitted/received by a mobile terminal, said network control apparatus comprising

receiving means for receiving a detection report, detected in said network side, of one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of a change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication, exists and a change in a terminal capability of said object to be inspected;

determining means for determining at least one of a network resource and a media type suitable for said change specified by said detection report, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and

control means for controlling said object to be inspected concerning at least one of said determined network resource and media type so that said object conforms to said detected change.

Claim 15 (Original): A network control apparatus according to Claim 14, wherein said object to be inspected includes at least one of a communication terminal, transmission means for a radio area, and transmission means within a network.

Claim 16 (Original): A network control apparatus according to Claim 14, wherein said network resource includes at least one of a wireless communication channel, a

transmitter/receiver, a line within a network, a communication node apparatus, a communication terminal, an information switching apparatus, and an information converting apparatus.

Claim 17 (Currently Amended) A mobile communication system capable of transferring information transmitted/received by a mobile terminal and including a network that has a predetermined resource therein, said network comprising:

a detector configured to detect one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of a change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication, exists and a change in a terminal capability of said object to be inspected;

a transmitter configured to notify one or more apparatuses relating to said change detected by said detecting means of a result of said detection;

a controller configured to set at least one of a network resource and a media type in conformity to said change detected by said detecting means, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and

said controller configured to switch said network resource and media type into a content set by said setting means.

Claim 18 (Currently Amended): A network control apparatus constituting a part of a network having a predetermined resource and included in a mobile communication capable of

transferring information transmitted/received by a mobile terminal, said network control apparatus comprising

a receiver configured to receive a detection report, detected in said network side, of one or more changes generated within an area assigned to one base station while a communication between said mobile terminal and said assigned one base station is established, said changes including at least one of a change in a communication environment in which an object to be inspected exists, said change in the communication environment having the possibility of becoming a seam in mobile communication, exists and a change in a terminal capability of said object to be inspected from said object to be inspected;

a processor configured to determine at least one of a network resource and a media type suitable for said change specified by said detection report received from said object to be inspected, for automatically eliminating at least one of a network seam, content seam and device seam which are caused by said detected change; and

a controller configured to control said object to be inspected concerning at least one of said determined network resource and media type so that said object to be inspected conforms to said detected change.